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Phospho-PLXND1(Y1642) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3584a

Product Information

Application	DB, E
Primary Accession	Q9Y4D7
Other Accession	Q3UH93
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB15582
Calculated MW	212007

Additional Information

Gene ID	23129
Other Names	Plexin-D1, PLXND1, KIAA0620
Target/Specificity	This PLXND1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1642 of human PLXND1.
Dilution	DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-PLXND1(Y1642) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PLXND1
Synonyms	KIAA0620
Function	Cell surface receptor for SEMA4A and for class 3 semaphorins, such as SEMA3A, SEMA3C and SEMA3E. Plays an important role in cell-cell signaling,

	and in regulating the migration of a wide spectrum of cell types. Regulates the migration of thymocytes in the medulla. Regulates endothelial cell migration. Plays an important role in ensuring the specificity of synapse formation. Required for normal development of the heart and vasculature (By similarity). Mediates anti-angiogenic signaling in response to SEMA3E.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q3UH93}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q3UH93}. Cell projection, lamellipodium membrane
Tissue Location	Detected at low levels in heart, placenta, lung, skeletal muscle, kidney, thymus and liver. Detected at very low levels in brain, colon, spleen, small intestine and peripheral blood leukocytes.

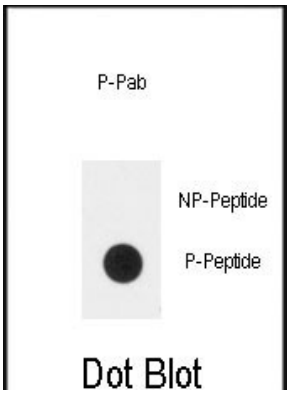
Background

This protein belongs to calcium-dependent cell adhesion molecule family.

References

van der Zwaag B.,Dev. Dyn. 225:336-343(2002).

Images



Dot blot analysis of anti-Phospho-PLXND1-pY1642 Antibody (Cat.#AP3584a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.